

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: LUMIERE

Report Number: P221247

Luminaire Tested: **9002-W2-[RW, RI]-LED3097-W-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221247  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29416)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W2-[RW, RI]-LED3097-W-BK-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1397.3 lumens  
Efficiency: N/A  
Efficacy: 69.9 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.86  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

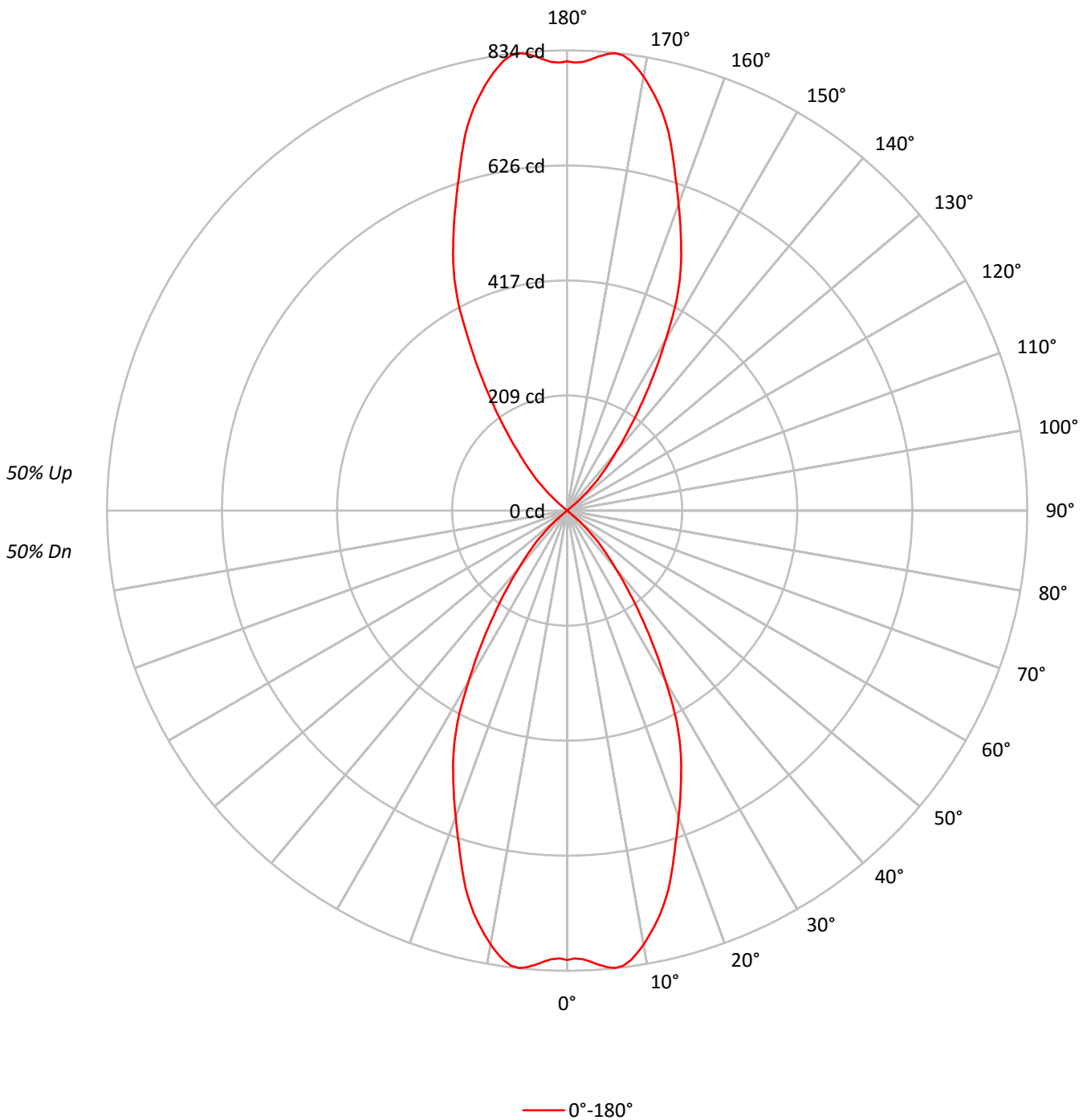
Input Watts (W): 20  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	100	97	94	91	92	90	87	85	77	75	73	64	63	62	53	53	52	47
2	93	88	83	79	86	82	78	74	70	67	65	60	58	56	50	49	48	44
3	87	80	74	69	81	75	70	66	65	61	58	56	53	51	47	46	44	41
4	81	73	67	62	76	68	63	59	60	56	53	52	49	47	45	43	41	38
5	76	67	60	55	71	63	57	53	55	51	48	48	45	43	42	40	38	35
6	71	61	55	50	67	58	52	48	51	47	44	45	42	40	40	37	36	33
7	67	57	50	46	63	54	48	44	48	43	40	42	39	37	37	35	33	31
8	63	53	46	42	59	50	44	40	45	40	37	40	37	34	35	33	31	29
9	59	49	43	38	56	47	41	37	42	38	34	38	34	32	33	31	29	27
10	56	46	40	36	53	44	38	34	39	35	32	35	32	30	32	29	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	401759
5°	411317
10°	400191
15°	362657
20°	309933
25°	265387
30°	203328
35°	139614
40°	88043
45°	51214
50°	10669
55°	688
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.4	5.6
10°-20°	196.0	14.0
20°-30°	220.1	15.8
30°-40°	146.5	10.5
40°-50°	55.5	4.0
50°-60°	2.2	0.2
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	2.2	0.2
130°-140°	55.5	4.0
140°-150°	146.5	10.5
150°-160°	220.1	15.8
160°-170°	196.0	14.0
170°-180°	78.4	5.6
0°-30°	494.5	35.4
0°-40°	641.0	45.9
0°-60°	698.6	50.0
0°-90°	698.6	50.0
90°-120°	0.0	0.0
90°-150°	204.1	14.6
90°-180°	699.0	50.0
0°-180°	1397.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	814	
5°	830	78
15°	710	196
25°	488	220
35°	232	146
45°	73	55
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	1	2
135°	73	55
145°	232	146
155°	488	220
165°	710	196
175°	830	78
180°	814	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	814.3
1°	812.0
2°	813.5
3°	818.9
4°	825.1
5°	830.5
6°	833.6
7°	831.3
8°	823.6
9°	812.0
10°	798.8
11°	783.4
12°	767.2
13°	750.2
14°	730.9
15°	710.0
16°	685.3
17°	659.8
18°	635.1
19°	612.7
20°	590.3
21°	570.2
22°	549.3
23°	528.4
24°	508.4
25°	487.5
26°	465.9
27°	441.9
28°	415.6
29°	385.5
30°	356.9
32.5°	291.3
35°	231.8
37.5°	180.0
40°	136.7
42.5°	102.8
45°	73.4
47.5°	41.7
50°	13.9
52.5°	1.5
55°	0.8
57.5°	0.8
60°	0.0
62.5°	0.0
65°	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.8
125°	0.8
127.5°	1.5
130°	13.9
132.5°	41.7
135°	73.4
137.5°	102.8
140°	136.7
142.5°	180.0
145°	231.8
147.5°	291.3
150°	356.9
151°	385.5
152°	415.6
153°	441.9
154°	465.9
155°	487.5
156°	508.4
157°	528.4
158°	549.3
159°	570.2
160°	590.3
161°	612.7



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	635.1
163°	659.8
164°	685.3
165°	710.0
166°	730.9
167°	750.2
168°	767.2
169°	783.4
170°	798.8
171°	812.0
172°	823.6
173°	831.3
174°	833.6
175°	830.5
176°	825.1
177°	818.9
178°	813.5
179°	812.0
180°	814.3

(END OF REPORT)